

ABSTRACT

A high speed safety block assembly includes a first and second cheek plates with a sheave and axle installed between the cheek plates. The cheek plates each have a recessed area on their inner surfaces and have interlocking ears which increase the safety of the block assembly by preventing the block assembly from coming apart in the event of a screw failure. The sheave of the high speed safety block assembly includes a needle bearing which rolls on the bearing surface of the axle, permitting much higher loads and speeds when the high speed safety block assembly is used.